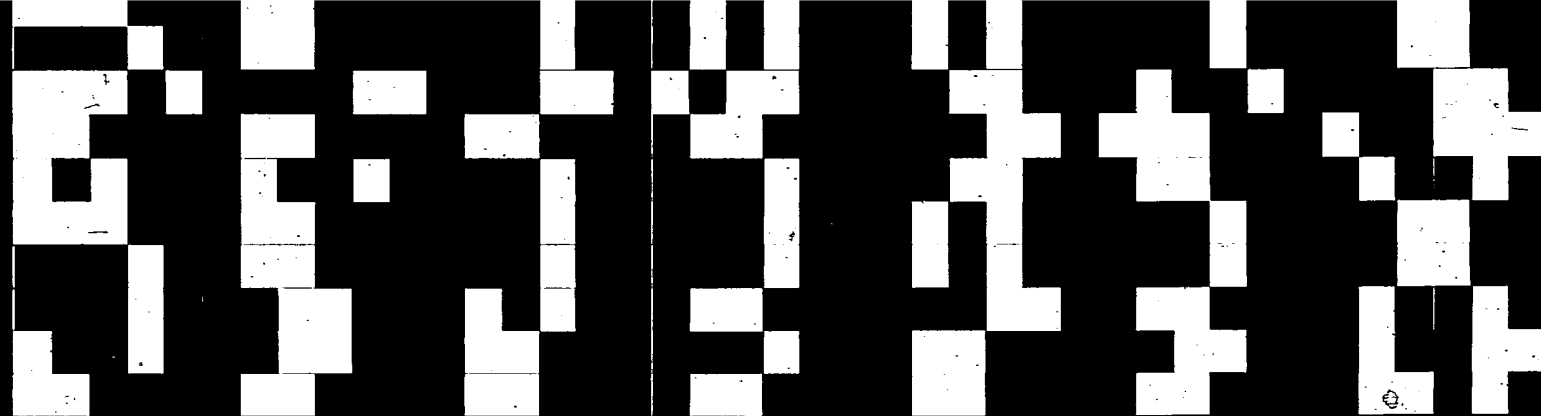




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IMAGERY ANALYSIS DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

CHOKE POINTS ON THE HANOI - LAO CAI RAIL LINE NORTH VIETNAM

CIA/PIR 65010

DATE August 1965

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CIA IMAGERY ANALYSIS DIVISION

CHOKE POINTS ON THE HANOI - LAO CAI RAIL LINE

1. The rail line from Hanoi to Yen Bai is situated on the Red River delta and is elevated on a levee in many places. From Yen Bai northwestward the rail line leaves the Red River delta and follows the Red River through rough terrain. This section of the rail line is replete with many small bridges crossing streams that flow from the surrounding mountains. There are no tunnels on this rail line.

2. The following table gives details of bridges 50 feet and over on the Hanoi - Lao Cai Railroad Line. These bridges are located on the enclosed map (Figure 1), by numbers coinciding with the numerical sequence of the aforementioned table.

3. All measurements have been made by the CIA/IAD/IB project analyst. They should be considered as approximate and must not be taken as official NPIC mensuration data compiled by the Technical Intelligence Division, NPIC.

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BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
1	At Chinese border just N. of Lao Cai. 22 30N - 103 58E	480	6	Deck truss and deck girder	Combination rail-highway bridge
2	1.5 m. SE of Lao Cai 22 29N - 103 59E	55	3	Deck girder	
3	2.1 m. SE of Lao Cai 22 28N - 104 00E	50	3	Deck girder	
4	5.3 m. SE of Lao Cai 22 27N - 104 02E	110	3	Half-through truss and deck girder	
5	7.0 m. SE of Lao Cai 22 26N - 104 02E	70	3	Deck girder	
6	7.5 m. SE of Lao Cai 22 25N - 104 02E	700	7	Through truss and deck girder	This bridge is not on the Hanoi-Lao Cai Rail Line, but is on a spur crossing the Red River
7	7.9 m. SE of Lao Cai 22 25N - 104 03E	65	3	Deck girder	
8	8.9 m. SE of Lao Cai 22 25N - 104 04E	65	3	Deck girder	
9	9.7 m. SE of Lao Cai 22 24N - 105 05E	65	3	Deck girder	
10	11.1 m. SE of Lao Cai 22 24N - 105 06E	70	3	Deck girder	
			-2-	SECRET NO FURTHER DISSEM	25X1

BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
11	12.0 m. SE of Lao Cai 22 23N - 104 07E	90	3	Deck girder	
12	12.7 m. SE of Lao Cai 22 22N - 104 07E	110	3	Half-through truss and deck girder	
13	13.8 m. SE of Lao Cai 22 22N - 104 08E	55	3	Deck girder	
14	15.0 m. SE of Lao Cai 22 22N - 104 09E	100	3	Half-through truss and deck girder	
15	16.1 m. SE of Lao Cai 22 21N - 104 09E	50	3	Deck girder	
16	17.0 m. SE of Lao Cai 22 20N - 104 10E	120	3	Half-through truss and deck girder	
17	19.7 m. SE of Lao Cai 22 19N - 104 12E	130	3	Half-through truss and deck girder	
18	21.8 m. SE of Lao Cai 22 17N - 104 13E	85	3	Deck girder	
19	24.0 m. SE of Lao Cai 22 16N - 104 15E	120	3	Half-through truss and deck girder	
20	25.4 m. SE of Lao Cai 22 15N - 104 16E	90	3	Half-through truss and deck girder	
21	26.7 m. SE of Lao Cai 22 15N - 104 17E	130	3	Half-through truss and deck girder	
			-3-	SECRET NO FOREIGN DISSEM	25X1

BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
22	27.2 m. SE of Lao Cai 22 14N - 104 17E	105	3	Half-through truss and deck girder	
23	29.0 m. SE of Lao Cai 22 13N - 104 18E	140	3	Half-through truss and deck girder	
24	29.4 m. SE of Lao Cai 22 13N - 104 18E	90	3	Half-through truss and deck girder	
25	30.4 m. SE of Lao Cai 22 12N - 104 19E	60	3	Deck girder	
26	31.0 m. SE of Lao Cai 22 12N - 104 20E	90	3	Half-through truss and deck girder	
27	33.7 m. SE of Lao Cai 22 10N - 104 21E	90	3	Half-through truss and deck girder	
28	35.2 m. SE of Lao Cai 22 09N - 104 22E	55	3	Deck girder	
29	36.3 m. SE of Lao Cai 22 08N - 104 25E	200	4	Half-through truss and deck girder	
30	40.7 m. SE of Lao Cai 22 06N - 104 26E	100	3	Deck girder	
31	41.3 m. SE of Lao Cai 22 06N - 104 27E	90	3	Deck girder	
			-4-	SECRET NO FOREIGN DISSEM	25X1

BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
32	42.8 m. SE of Lao Cai 22 05N - 104 27E	80	3	Deck girder	
33	43.3 m. SE of Lao Cai . 25X1 22 04N - 104 27E		3	Deck girder	
34	43.6 m. SE of Lao Cai 22 04N - 104 27E	105	3	Deck girder	
35	35.0 m. NW of Yen Bai 25X1 22 03N - 104 29E		3	Half-through truss and deck girder	
36	34.0 m. NW of Yen Bai 22 02N - 104 30E		3	Deck girder	
37	33.5 m. NW of Yen Bai 22 02N - 104 31E	125	3	Half-through truss and deck girder	
38	33.0 m. NW of Yen Bai 22 02N - 104 31E	115	3	Half-through truss and deck girder	
39	31.0 m. NW of Yen Bai 22 01N - 104 32E		3	Through truss and deck girder	
40	30.1 m. NW of Yen Bai 22 01N - 104 32E	80	3	Half-through truss and deck girder	
41	29.4 m NW of Yen Bai 22 01N - 104 33E	105	3	Half-through truss and deck girder	
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BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
42	28.0 m. NW of Yen Bai 22 00N - 104 34E	75 25X1	3	Deck girder	
43	27.0 m. NW of Yen Bai 21 59N - 104 35E		3	Half-through truss and deck girder	
44	25.0 m. NW of Yen Bai 21 57N - 104 37E	105	3	Half-through truss and deck girder	
45	23.5 m. NW of Yen Bai 21 57N - 104 37E	110	3	Half-through truss and deck girder	
46	21.8 m. NW of Yen Bai 21 56N - 104 37E	105	3	Half-through truss and deck girder	
47	20.5 m. NW of Yen Bai 21 55N - 104 39E	100	3	Half-through truss and deck girder	
48	18.9 m. NW of Yen Bai 21 54N - 104 40E	50	1	Half-through truss	
49	17.5 m. NW of Yen Bai 21 53N - 104 41E	90	3	Half-through truss and deck girder	
50	15.0 m. NW of Yen Bai 21 52N - 104 43E	70	3	Deck girder	
51	14.7 m. NW of Yen Bai 21 51N - 104 43E	25X1	3	Deck girder	
52	14.5 m. NW of Yen Bai 21 51N - 104 43E	85	3	Deck girder	
				SECRET NO FOREIGN DISSEM	25X1

BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
53	13.8 m. NW of Yen Bai 21 51N - 104 44E	75	3	Deck girder	
54	12.8 m. NW of Yen Bai 21 50N - 104 45E	115	3	Deck girder	
55	11.0 m. NW of Yen Bai 21 49N - 104 46E	140	2	Half-through truss, and deck girder	
56	8.2m. NW of Yen Bai 21 48N - 104 48E	70	3	Deck girder	
57	5.7 m. NW of Yen Bai 21 46N - 104 50E	80	3	Deck girder	
58	3.0 m. NW of Yen Bai 21 44N - 104 50E	80	1	Probable half-through truss	
59	At Yen Bai 21 42N - 104 53	40	1	Deck girder	
60	2.0 m. SE of Yen Bai 21 42N - 104 54E	95	3	Half-through truss and deck girder	
61	5.0 m. SE of Yen Bai 25X1 21 39N - 104 57E		3	Deck girder	
62	9.2 m. SE of Yen Bai 21 36N - 104 58E	85	3	Deck girder	
63	12.5 m. SE of Yen Bai 21 34N - 105 00E	100	3	Half-through truss and deck girder	
			-7-	SECRET NO FOREIGN DISSEM	25X1

BRIDGE NO.	LOCATION	TOTAL LENGTH (FEET)	SPANS		REMARKS
			NO.	TYPE	
64	14.0 m. SE of Yen Bai 21 33N - 105 01E	95	3	Half-through truss and deck girder	
65	16.0 m. SE of Yen Bai 21 31N - 105 02E	115	3	Deck girder	
66	18.2 m. SE of Yen Bai 25X1 21 30N - 105 04E		3	Half-through truss and deck girder	
67	47.5 m. NW of Hanoi 21 24N - 105 14E	80	1	Half-through truss	
68	32.0 m. NW of Hanoi 21 18N - 105 27E	970	4	Through truss	
69	30.8 m. NW of Hanoi 21 17N - 105 28E	120	3	Half-through truss and deck girder	
70	24.5 m. NW of Hanoi 21 18N - 105 37E	65	3	Deck girder	
71	21.0 m. NW of Hanoi 21 16N - 105 40E	95	3	Half-through truss and deck girder	
72	18.8 m. NW of Hanoi 21 15N - 105 41E	220	4	Through truss and deck girder	
73	15.0 m. NW of Hanoi 21 13N - 105 44E	140	3	Half-through truss	
74	6.5 m. NE of Hanoi 21 06N - 105 55E	120	3	Deck girder	
				SECRET NO FOREIGN DISSEM	25X1

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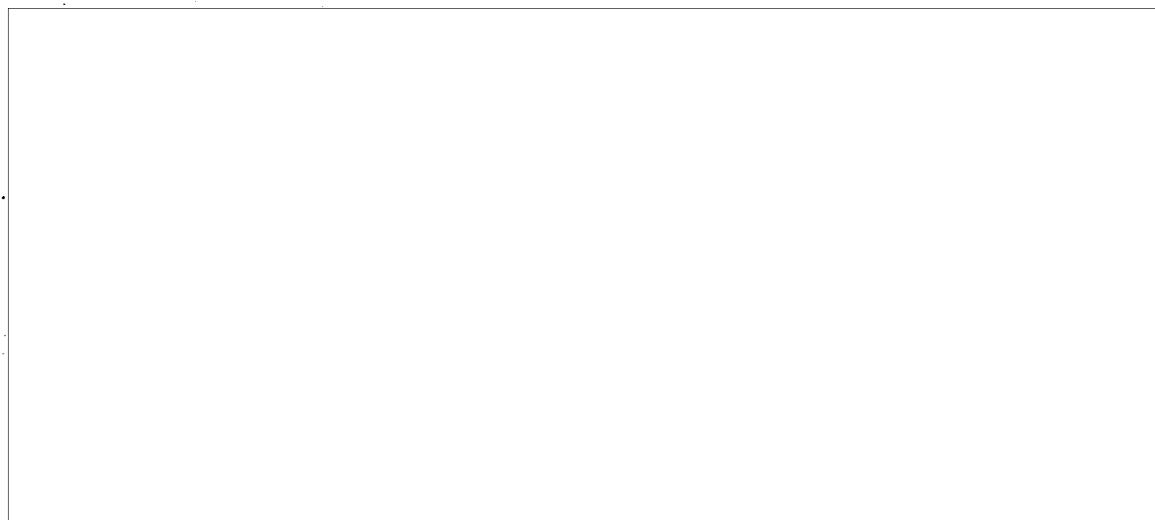
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REFERENCES

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MAPS

AMS, Series L509, Sheet NF 48-11
Edition 2, (UNCLASSIFIED)

AMS, Series L509, Sheet NF 48-10
Edition I (UNCLASSIFIED)

AMS, SERIES L509, Sheet NF 48-6
Edition I (UNCLASSIFIED)

REQUIREMENT

C-C15-82,793

PROJECT

30103-6

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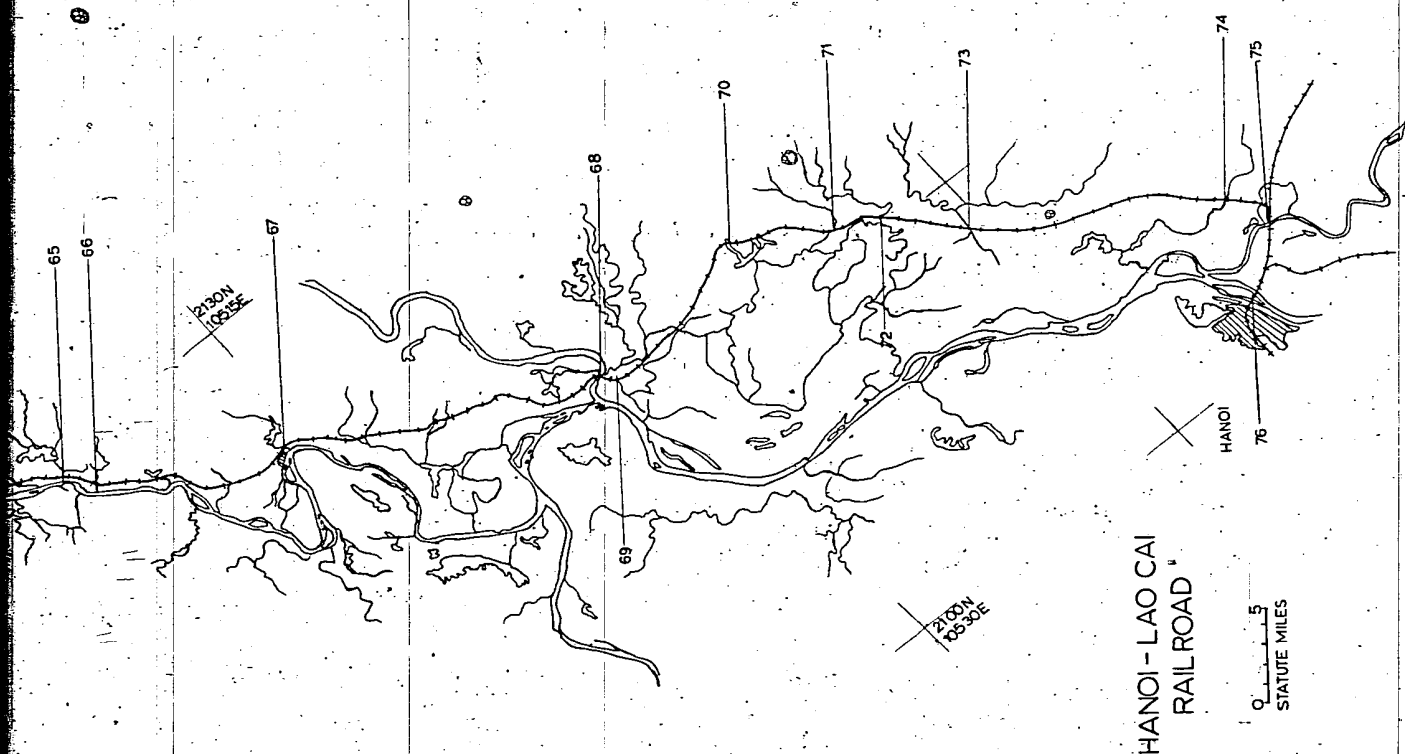
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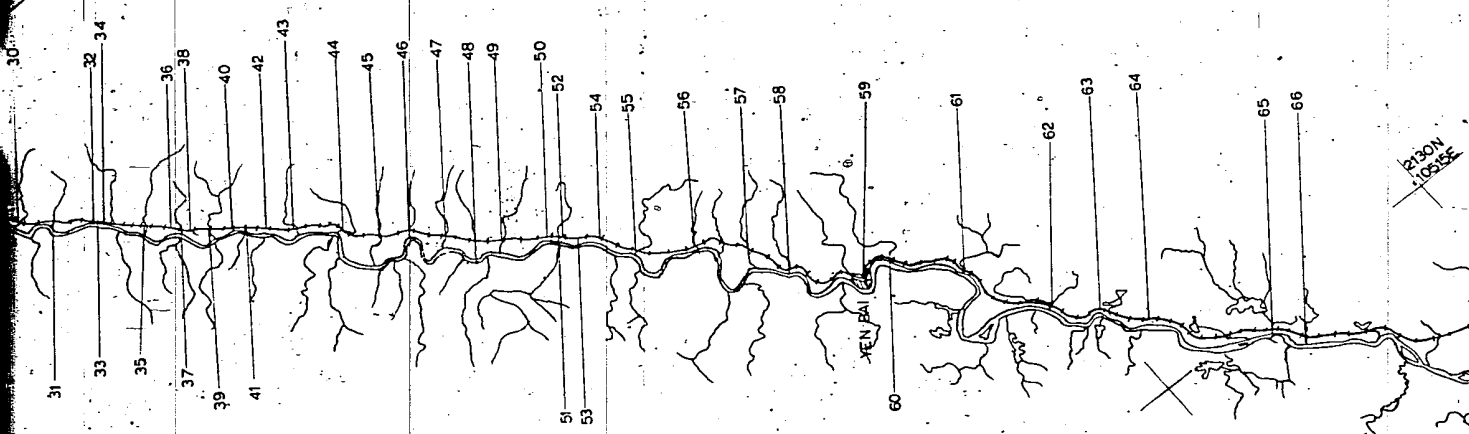
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FIGURE 1

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21.45N
104.30E

21.50N
104.55E

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